

I Claim:

1. A press for expressing liquid-containing substances,
comprising:

a closed container having:

a cover;

a filling and emptying orifice selectively opened and
closed by said cover;

a casing defining an interior; and

at least one press diaphragm disposed in said interior;

said press diaphragm subdividing said interior into a pressure
medium space and a press medium space;

a juice discharge fluidically connected to said press medium
space;

drainage elements disposed in said interior of said casing for
juice extraction, said drainage elements being liquid-
permeable and at least one of flexible and elastic and having:

at least one supporting element;

a hose disposed around said supporting element, said hose being of a juice-permeable material;

two sides; and

holding devices disposed at each of said two sides;

said drainage elements being a unitary assembly; and

said holding devices removably and releasably securing said drainage elements at said container, said drainage elements being inserted into and removed from said interior of said container as a structural part.

2. The press according to claim 1, wherein said hose has:

ends; and

a peripheral bead at each of said ends, said bead cooperating with an associated one of said holding devices, said holding devices being fastened to said container through said bead.

3. The press according to claim 1, wherein said hose has:

ends; and

a peripheral bead at each of said ends, said bead cooperating with an associated one of said holding devices, said ends being fastened to said container through said holding devices.

4. The press according to claim 1, wherein:

said interior of said container has a diameter; and

said drainage elements have a length greater than said diameter of said interior of said container.

5. The press according to claim 1, wherein said hose has a length and a slide fastener running over an entirety of said length.

6. The press according to claim 1, wherein:

said interior of said container has an inner wall; and

said holding devices are mounted on said inner wall.

7. The press according to claim 2, wherein:

said holding devices have:

clamping pieces disposed at ends of said supporting element; and

clamping flanges selectively connected to said container; and

said beads of said hose are clamped between said clamping flanges.

8. The press according to claim 7, wherein:

said interior of said container has an inner wall; and

said holding devices are mounted on said inner wall.

9. The press according to claim 7, further comprising:

holding flanges fastened to said interior of said container;

said container having a juice discharge side; and

at least one of said clamping flanges and at least one of said holding flanges at said juice discharge side having a bayonet connector and being respectively connected to one another with said bayonet connector.

10. The press according to claim 9, wherein said holding flanges have a substantially circular shape.

11. The press according to claim 9, wherein said holding flanges and said clamping flanges each have a substantially circular shape.

12. The press according to claim 8, wherein:

said container has a longitudinal axis;

holding flanges are fastened to said interior of said container;

said container has a juice discharge side;

at least one of said clamping flanges at a side of said container approximately opposite said juice discharge side has an approximately oval shape with a longer axis and a shorter axis; and

when said drainage elements are inserted in said container, said shorter axis runs substantially parallel to said longitudinal axis of said container.

13. The press according to claim 12, wherein:

said clamping flanges and at least one of said holding flanges at said opposite side each have an approximately oval shape; and

at least one of said clamping flanges and at least one of said holding flanges at said opposite side have a bayonet connector and are respectively connected to one another with said bayonet connector.

14. The press according to claim 1, wherein said supporting element is at least one of an elastic supporting element and a flexible supporting element.

15. The press according to claim 1, wherein said supporting element is at least two flexible supporting hoses.

16. The press according to claim 7, wherein said supporting element is at least two flexible supporting hoses fastened to said clamping pieces.

17. The press according to claim 16, wherein said supporting hoses are connected to said clamping pieces through crimped connections.

18. The press according to claim 1, wherein said supporting element is selected from one of the group consisting of a bar and a rod.

19. The press according to claim 1, wherein said container rotates about a horizontal axis.

20. The press according to claim 1, wherein said drainage elements are disposed over a diameter of said container and are substantially perpendicularly to a longitudinal axis of said container.

21. The press according to claim 1, wherein:

said container has a juice-extraction position; and

said drainage elements are disposed substantially vertically in said juice extraction position.

22. The press according to claim 1, wherein said juice discharge is opposite said filling and emptying orifice.

23. The press according to claim 1, wherein said juice-permeable hose is of fabric.

24. The press according to claim 1, wherein said juice-permeable hose is one of a wound spiral and netting.

25. The press according to claim 1, wherein said container is at least one of an agricultural product container and a chemical product container.

26. The press according to claim 1, wherein said drainage elements are fluidically connected to said discharge.

27. A press for expressing liquid-containing substances, comprising:

a container having:

a filling and emptying orifice;

a cover selectively opening and water-tightly closing said filling and emptying orifice;

a water-tight casing defining an interior; and

at least one press diaphragm disposed in said interior, said press diaphragm subdividing said interior into a pressure medium space and a press medium space;

a juice discharge fluidically connected to said press medium space;

drainage elements:

disposed in said interior;

each being fluidically connected to said discharge; and

each having:

at least one supporting element being at least one of flexible and elastic;

a hose disposed around said supporting element, said hose being of a juice-permeable material;

two sides; and

at least one holding device disposed at each of said two sides and removably and releasably securing said drainage elements in said interior of said container;

each of said drainage elements being inserted into and removed from said interior of said container in one-piece.

28. A press for expressing liquid-containing substances, comprising:

a closed container having:

a cover;

a filling and emptying orifice selectively opened and closed by said cover;

a casing defining an interior; and

at least one press diaphragm disposed in said interior;

said press diaphragm subdividing said interior into a pressure medium space and a press medium space;

a juice discharge associated with said filling and emptying orifice;

drainage elements disposed in said interior of said casing for large-volume juice extraction, said drainage elements being liquid-permeable and at least one of flexible and elastic and having:

at least one supporting element;

a hose disposed around said supporting element, said hose being of a juice-permeable material;

two sides; and

holding devices disposed at each of said two sides;

said drainage elements being a unitary assembly; and

said holding devices removably and releasably securing said drainage elements at said container, said drainage elements being inserted into and removed from said interior of said container as a structural part.